

REMARKS

Claims 1-23 are pending in the application. Claims 1 and 20 have been amended.

Claim Rejections – 35 U.S.C. §112

The Examiner rejected claims 1-23 under 35 USC 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Independent Claims 1, 12, 16 and 20

The Examiner noted that in claim 1, the “pyramid filtered output signals” of line 6 and 8 are indefinite because the input signal to the respectively recited structure fails to be recited. Claim 1 has been amended to recite the input signal.

Claim 1 has been amended to recite an adder circuit, one-dimensional and two dimensional pyramid filters in view of the Examiner’s objection.

Claim 1 has also been amended to delete “signal sample matrices.”

Claim 20 has been amended in a similar manner.

Applicant respectfully disagrees with the Examiner’s rejection of claims 12 and 16. In particular, these are not structure type claims and thus recitation of structure is not required.

Claim 2

Regarding claim 2, antecedent basis for “the pyramid filtered output signals” is provided for in claim 1. In particular, lines 9 and 11 for example: “*pyramid filtered output signals* corresponding to output signals produced by two one-dimensional pyramid filters of order $2N-1$.” (Emphasis added.)

Claim 5

Regarding claim 5, the eight "one-dimensional pyramid filters" correspond to the "one-dimensional pyramid filters" claimed in amended claim 1 (in particular, "one-dimensional pyramid filters of order $2N-1$ ".)

ALLOWABLE SUBJECT MATTER

The Examiner noted that claims 1-23 would be allowable if rewritten to overcome the rejections under 35 U.S.C. 112, second paragraph, set forth in the Office Action and to include all of the limitations of the base claim and any intervening claims. Applicant respectfully notes that the claims have been amended to overcome the Examiner's rejection and are in condition for allowance.

CONCLUSION

In view of the foregoing, it is respectfully asserted that all of the claims pending in this patent application are in condition for allowance.

Should it be determined that an additional fee is due under 37 CFR §§1.16 or 1.17, or any excess fee has been received, please charge that fee or credit the amount of overcharge to deposit account #02-2666.



If the Examiner has any questions, he is invited to contact the undersigned at (310) 252-7605. Reconsideration of this patent application and early allowance of all the claims is respectfully requested.

Respectfully submitted,

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